

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\  
 Data File : VN053936.D  
 Acq On : 25 Feb 2019 18:16  
 Operator : JC/SP  
 Sample : K1356-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-02-022219-B

Quant Time: Feb 28 04:38:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 28 04:05:45 2019  
 Response via : Initial Calibration

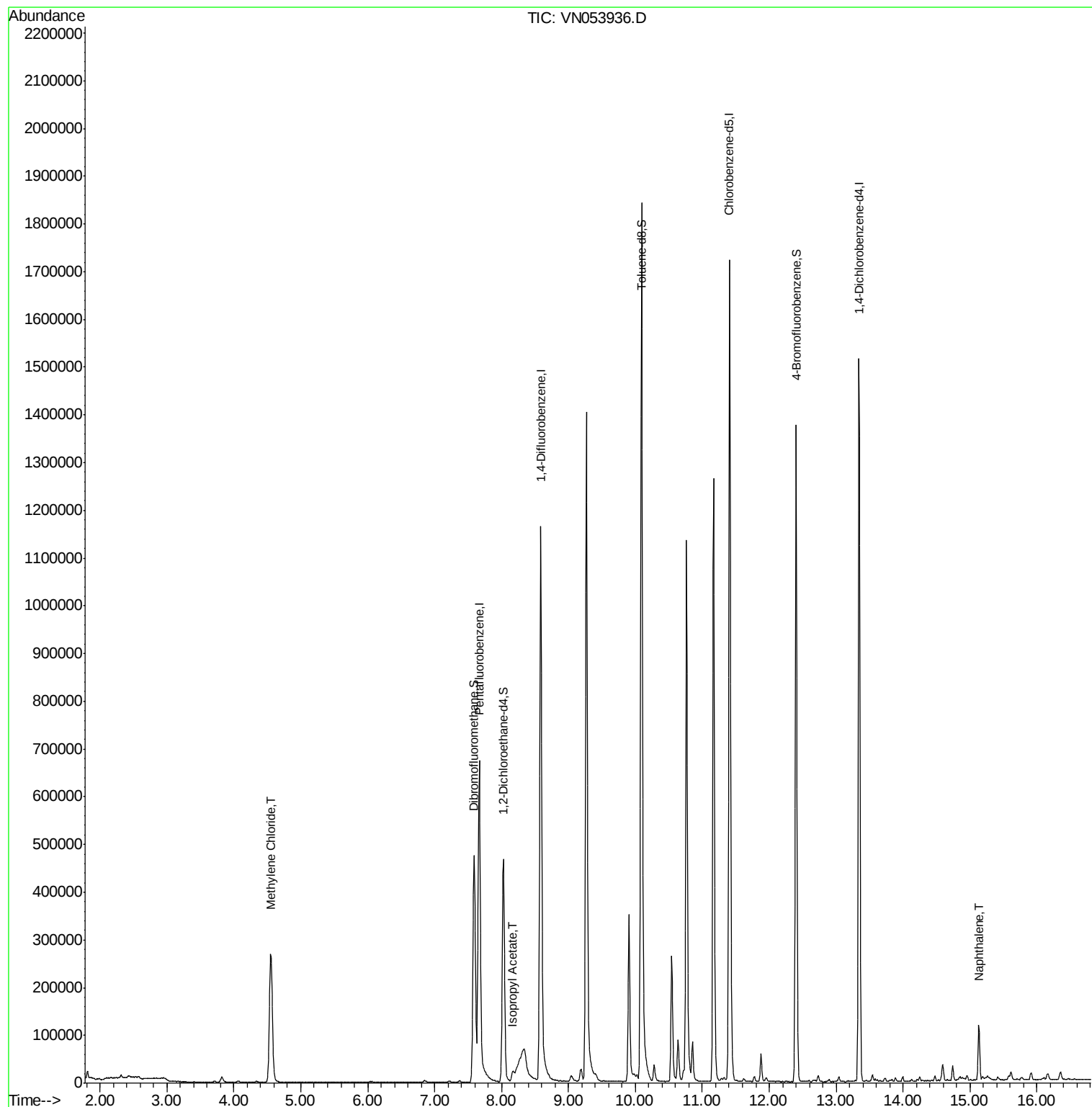
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 629653   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1148099  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1106538  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 423681   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 401443   | 54.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.78% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 375161   | 50.53  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.06% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1452936  | 52.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.14% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 477838   | 51.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.78% |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.55  | 84   | 207933   | 28.464 | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 28638    | 2.225  | ug/l    | 94       |
| 95) Naphthalene             | 15.13 | 128  | 98942    | 8.731  | ug/l    | 99       |

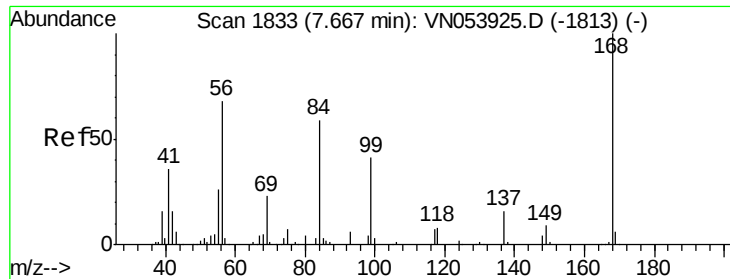
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022519\  
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QLast Update : Thu Feb 28 04:05:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053936.D

Acq: 25 Feb 2019 18:16

Instrument :

MSVOA\_N

ClientSampleId :

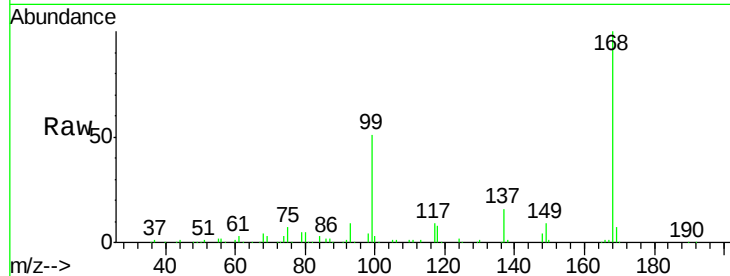
SU-02-022219-B

Tot Ion:168 Resp: 629653

Ion Ratio Lower Upper

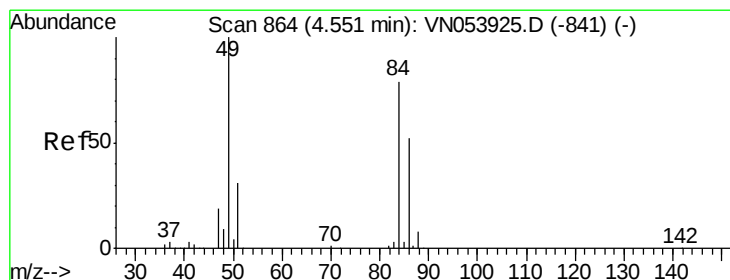
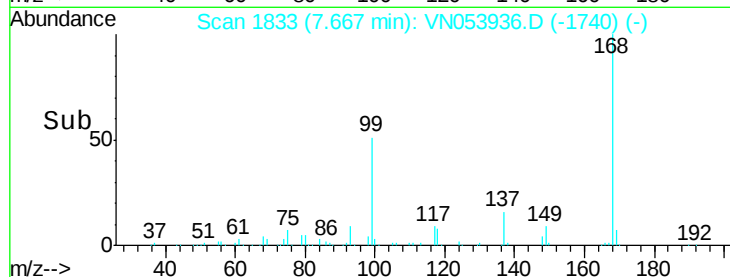
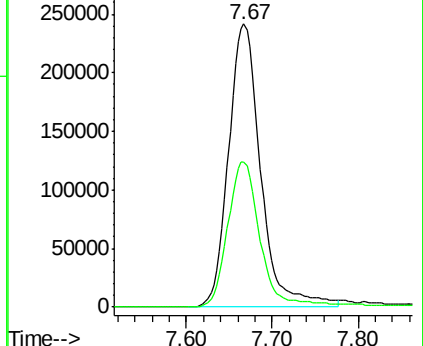
168 100

99 51.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 28.464 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053936.D

Acq: 25 Feb 2019 18:16

Tgt Ion: 84 Resp: 207933

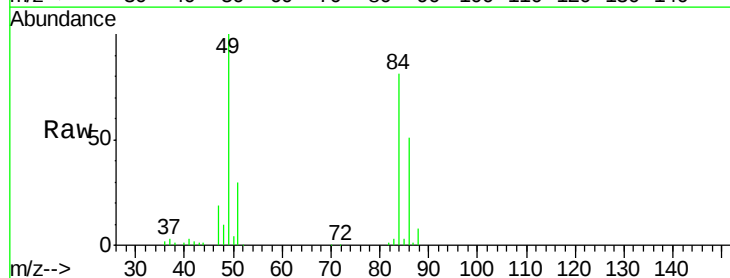
Ion Ratio Lower Upper

84 100

49 122.8 89.7 134.5

51 36.5 27.8 41.8

86 62.2 51.3 76.9

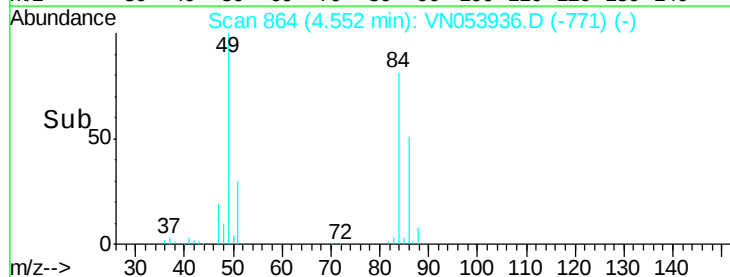
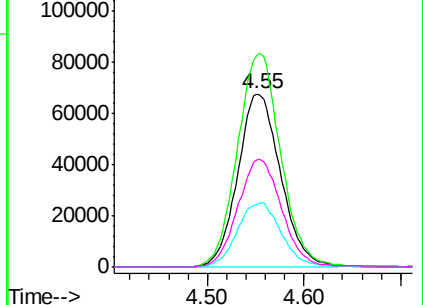


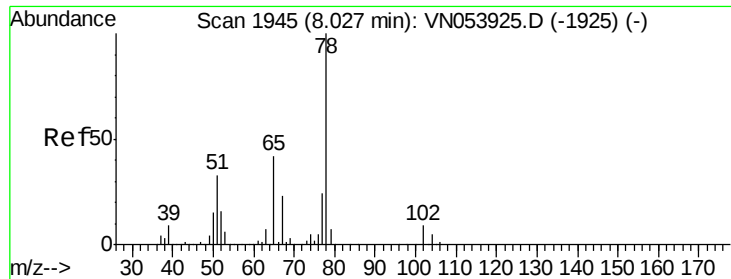
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 54.389 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053936.D

Acq: 25 Feb 2019 18:16

Instrument :

MSVOA\_N

ClientSampleId :

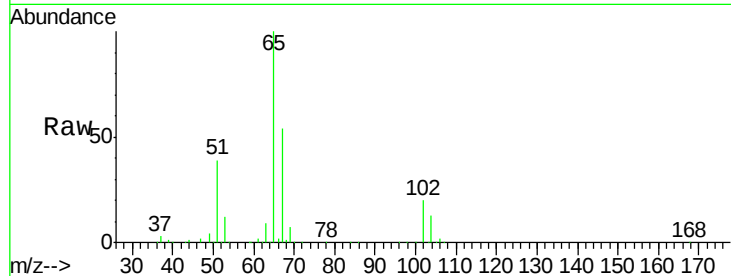
SU-02-022219-B

Tot Ion: 65 Resp: 401443

Ion Ratio Lower Upper

65 100

67 55.1 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053936.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053936.D (-1852) (-)

8.02

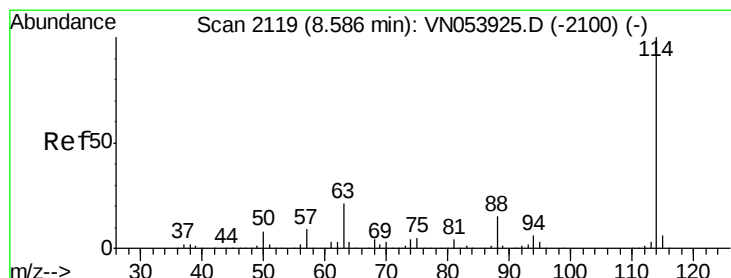
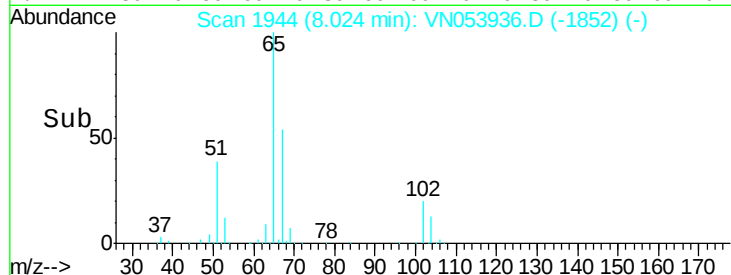
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053936.D

Acq: 25 Feb 2019 18:16

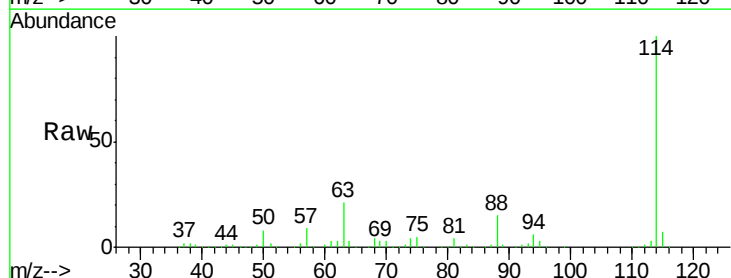
Tgt Ion: 114 Resp: 1148099

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053936.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053936.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053936.D (-2026) (-)

8.59

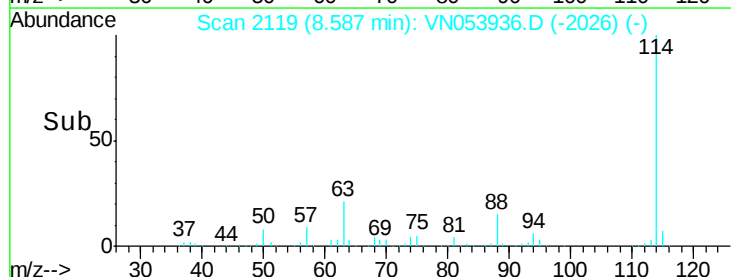
600000

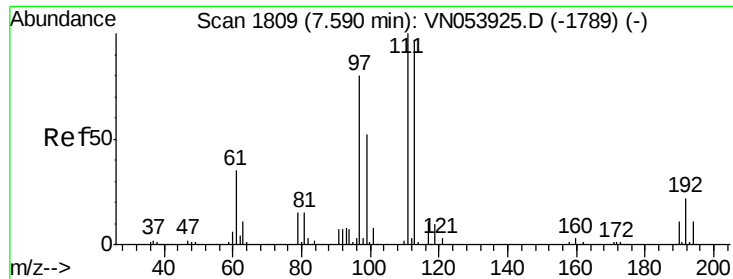
400000

200000

0

Time-->

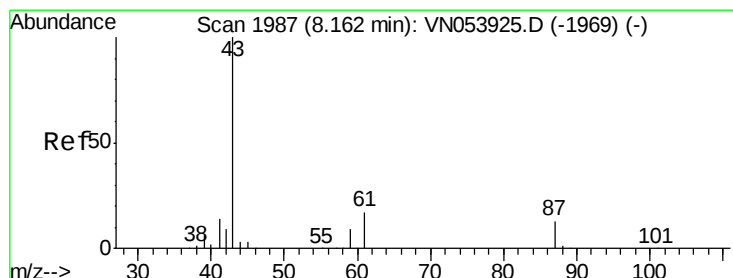
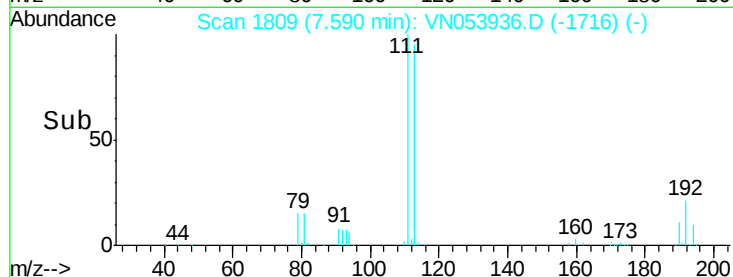
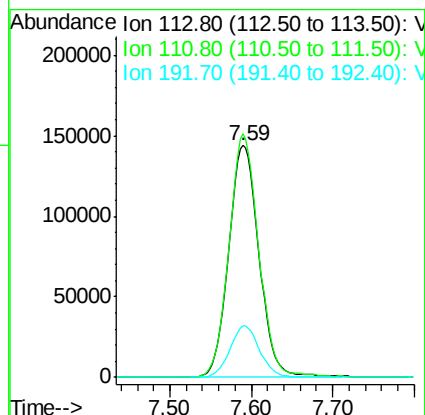
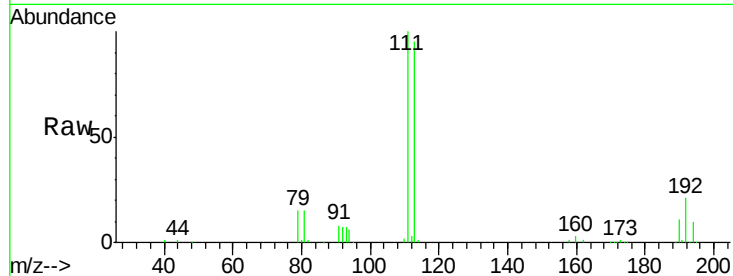




#35  
 Dibromofluoromethane  
 Concen: 50.532 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053936.D  
 Acq: 25 Feb 2019 18:16

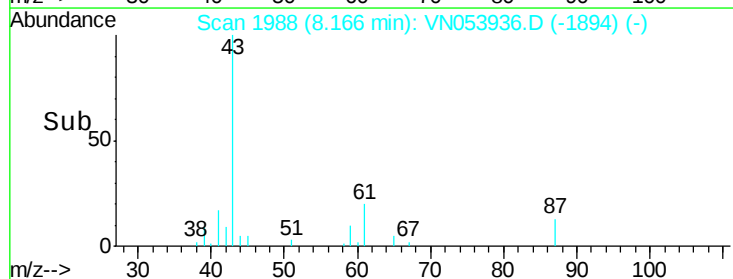
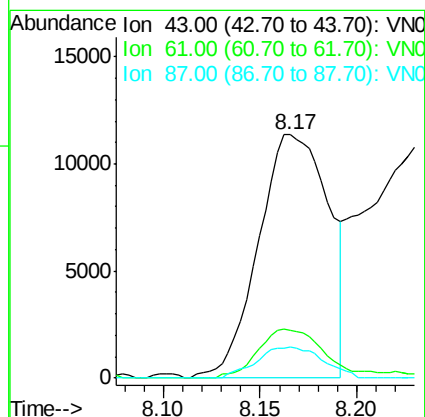
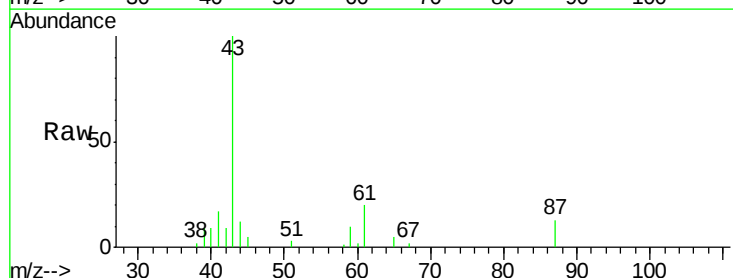
Instrument :  
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 SU-02-022219-B

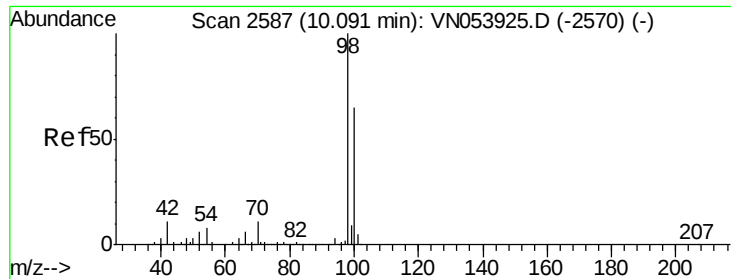
Tot Ion:113 Resp: 375161  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.1 121.7  
 192 21.8 18.8 28.2



#43  
 Isopropyl Acetate  
 Concen: 2.225 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN053936.D  
 Acq: 25 Feb 2019 18:16

Tgt Ion: 43 Resp: 28638  
 Ion Ratio Lower Upper  
 43 100  
 61 19.2 17.4 26.0  
 87 12.0 11.5 17.3





#50

Toluene-d8

Concen: 52.572 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053936.D

Acq: 25 Feb 2019 18:16

Instrument :

MSVOA\_N

ClientSampleId :

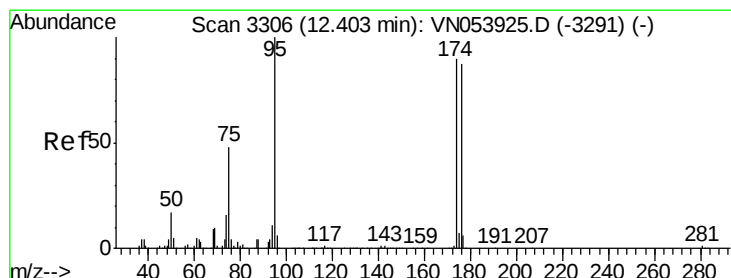
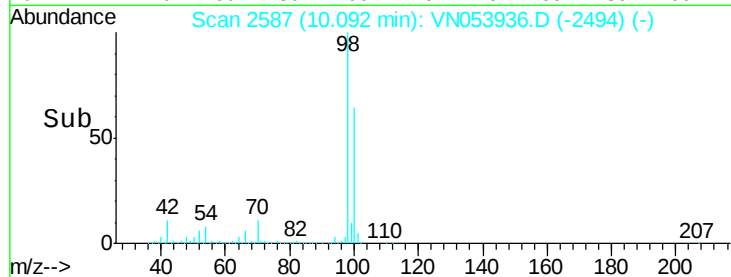
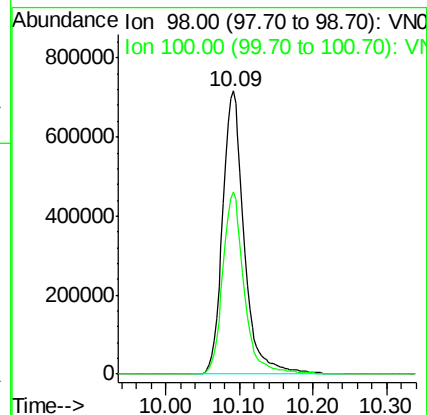
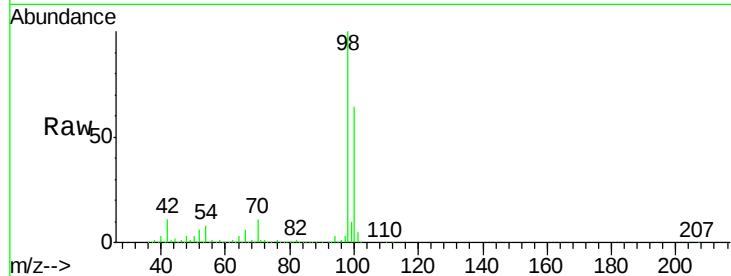
SU-02-022219-B

Tot Ion: 98 Resp: 1452936

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 51.894 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053936.D

Acq: 25 Feb 2019 18:16

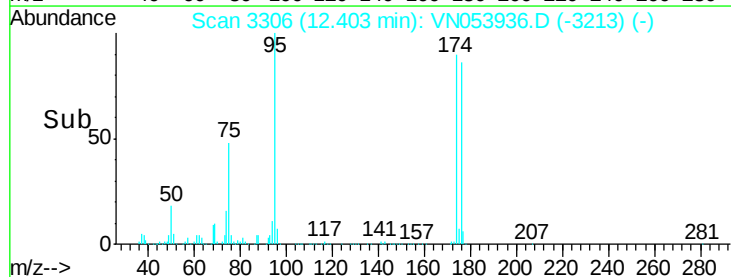
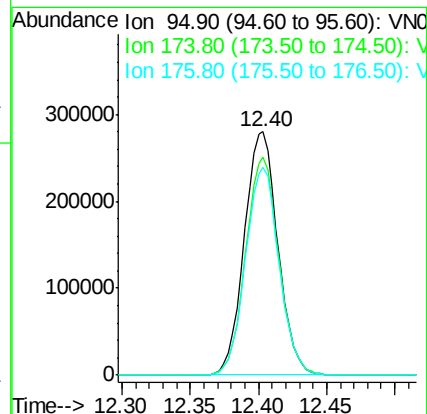
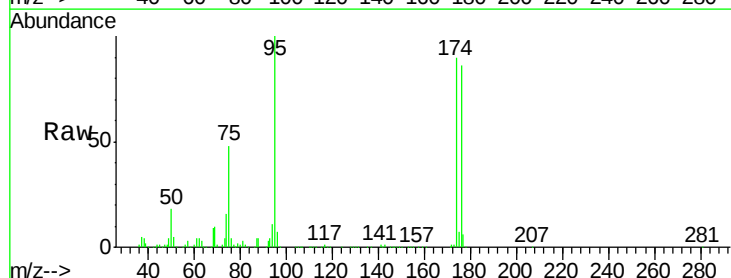
Tgt Ion: 95 Resp: 477838

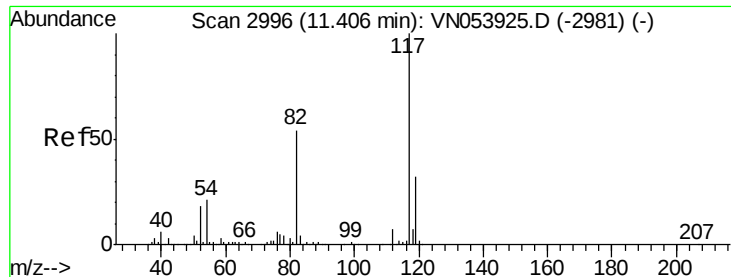
Ion Ratio Lower Upper

95 100

174 88.8 0.0 188.8

176 85.4 0.0 182.6

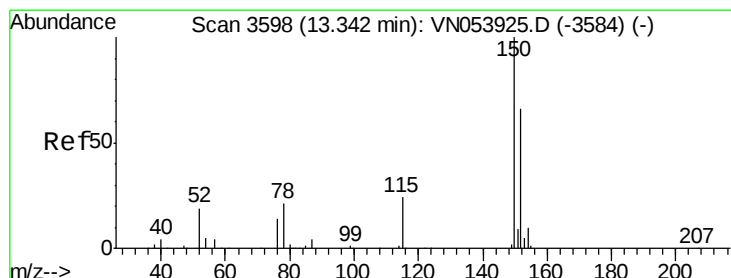
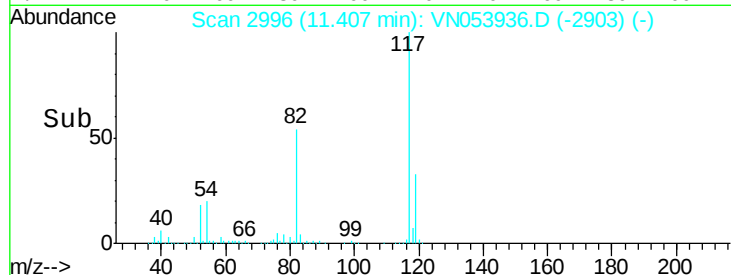
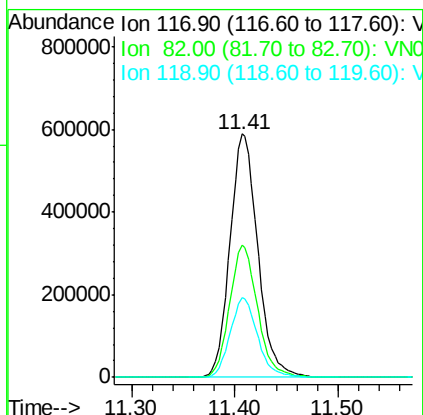
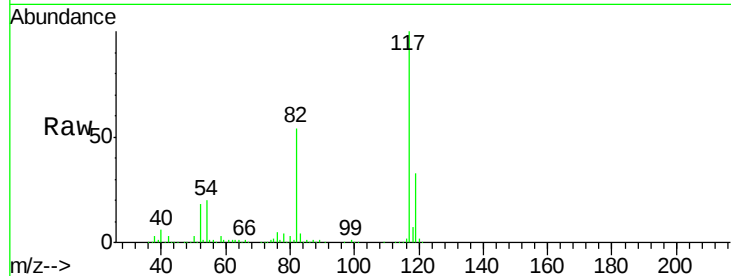




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053936.D  
Acq: 25 Feb 2019 18:16

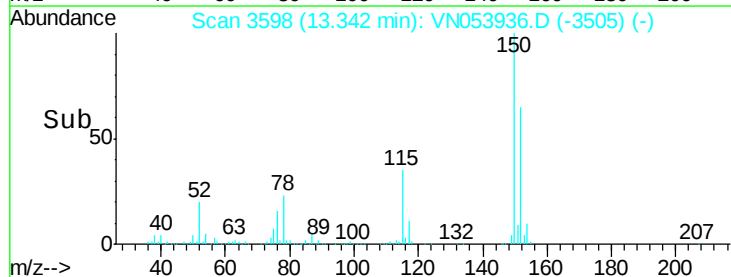
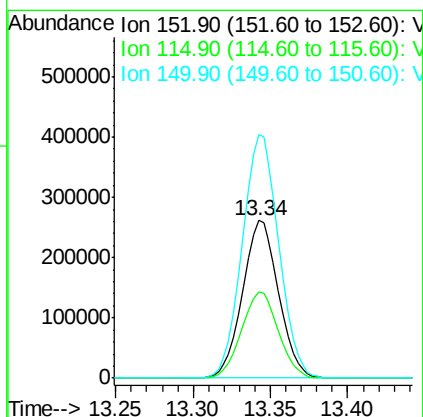
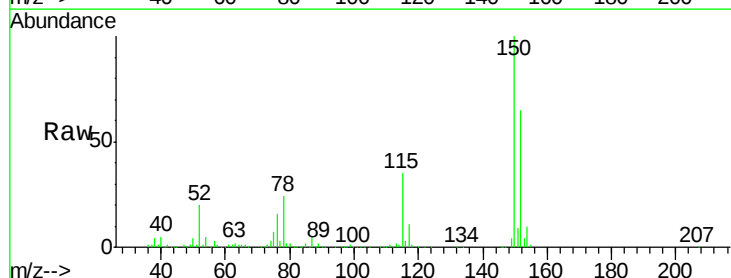
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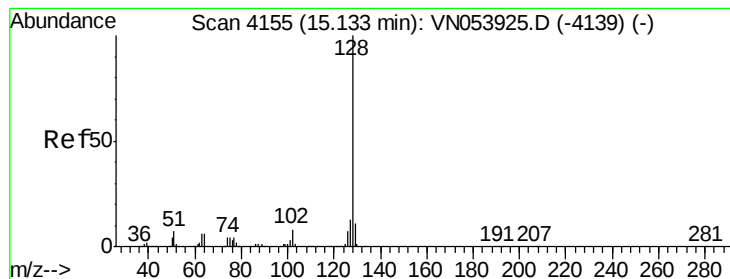
Tot Ion:117 Resp: 1106538  
Ion Ratio Lower Upper  
117 100  
82 54.3 41.4 62.2  
119 32.6 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN053936.D  
Acq: 25 Feb 2019 18:16

Tgt Ion:152 Resp: 423681  
Ion Ratio Lower Upper  
152 100  
115 56.0 27.2 81.6  
150 156.8 0.0 348.2





#95

Naphthalene

Concen: 8.731 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053936.D

Acq: 25 Feb 2019 18:16

Instrument :

MSVOA\_N

ClientSampleId :

SU-02-022219-B

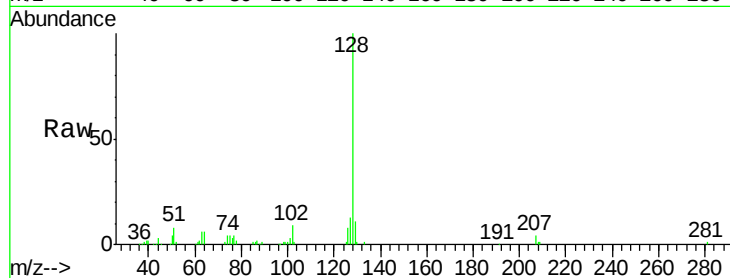
Tot Ion:128 Resp: 98942

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 11.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

